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| TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c)) | | | Docket No. HALB:020D1 | |
| In Re Application Of: Jeff Kirsner, et al. | | | | |
| <div>APR 21 2004 PATENT & TRADEMARK OFFICE</div> | | | | |
| Serial No. 10/761,552 | Filing Date January 21, 2004 | Examiner To be Assigned | Group Art Unit 1712 | |
| Title: Blends of Esters with Isomerized Olefins and Other Hydrocarbons as Base Oils for Invert Emulsion Oil Muds | | | | |
| <p>Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p> <p>37 CFR 1.97(b)</p> <p>1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.</p> <p>37 CFR 1.97(c)</p> <p>2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:</p> <p><input type="checkbox"/> the statement specified in 37 CFR 1.97(e);</p> <p>OR</p> <p><input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).</p> | | | | |

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
HALB:020D1

In Re Application: Jeff Kirsner, et al.

Serial No.
10/761,552

Filing Date
January 21, 2004

Examiner
To be Assigned

Group Art Unit
1712

Blends of Esters with Isomerized Olefins and Other Hydrocarbons as Base Oils for Invert Emulsion Oil
Muds

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
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Karen B. Tripp
Signature

Dated: April 21, 2004

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Houston, Texas 77251-1301
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| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 10/761,552 |
| | | | | Filing Date | 01/21/04 |
| | | | | First Named Inventor | Jeff Kirsner |
| | | | | Art Unit | 1712 |
| | | | | Examiner Name | To be Assigned |
| | | | | Attorney Docket Number | HALB:020D1 |
| Sheet | 5 | of | 9 | | |

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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------------------|-------------------------|---------------------|---------------------------------|--------------------------------|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind ⁵ (if known) | | | | |
| | EA | WO | 02/053676 | A1 | 07-11-2002 | | | ✓ |
| | EB | WO | 02/053675 | A1 | 07-11-2002 | | | ✓ |
| | EC | EP | 1 111 024 | A1 | 06-27-2001 | | | ✓ |
| | ED | EP | 0 124 194 | A2 | 07-11-1984 | | | ✓ |
| | EF | WO | 99-50370 | A1 | 10-07-1999 | | | ✓ |
| | EG | EP | 0561 608 | A2 | 09-22-1993 | | | ✓ |
| | EH | WO | 83/02949 | A1 | 09-01-1983 | | | ✓ |
| | EI | WO | 93/23491 | A1 | 11-25-1993 | | | ✓ |
| | EJ | WO | 94/16030 | A1 | 07-21-1994 | | | ✓ |
| | EK | WO | 95/09215 | A1 | 04-06-1995 | | | ✓ |

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| Examiner Signature | | Date Considered | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| | | | | First Named Inventor | Jeff Kirsner |
| | | | | Art Unit | 1712 |
| | | | | Examiner Name | To be Assigned |
| | | | | Attorney Docket Number | HALB:020DI |
| Sheet | 6 | of | 9 | | |

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| Examiner Signature | | Date Considered | |
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| | | Examiner Name | To be Assigned | | |
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| Sheet | 7 | of | 9 | | |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------------------|--------------------------|-----------------|--------------------------------------|--------------------------------|--|---|
| Examiner Initials [*] | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | HA | US- 4,488,975 | | 12-18-1984 | Almond | |
| | HB | US- 4,552,215 | | 11-12-1985 | Almond et al. | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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| Examiner Signature | | Date Considered | |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 10/761,552 |
| | | Filing Date | 01/21/04 |
| | | First Named Inventor | Jeff Kirsner |
| | | Art Unit | 1712 |
| | | Examiner Name | To be Assigned |
| Sheet | 8 | of | 9 |
| | | Attorney Docket Number | HALB:020D1 |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | |
|--|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | FA | Friedheim, J.E., "Second-Generation Synthetic Drilling Fluids," SPE Distinguished Author Series: Dec. 1981-Dec. 1983. | |
| | FB | "Neodol 23-6.5", Shell Chemicals, 'Online!XP 002164096; Retrieved from the internet: URL:http://www.shellchemicals.com/neodol/1,1098,876.00html, retrieved on 2001-03-28! page 1-page 2 | |
| | FC | "Altonic product sheet" CONDEA, 'Online!XP002164097; Retrieved from the internet: URL: http://www.condea.de/products/surfactants/surfactants_nonionnic/alfonic.html' retrieved on 2001-03-28! page 1-page 4 | |
| | FD | "Tergitol detergents:, SIGMA Product Information Sheet, 'Online! XP002164098, Retrieved from the internet: URL:http://www.sigald.sial.com/sigma/proddata/t7543nx.htm' retrieved on 2001-03-28! page 1-page 2 | |
| | FE | Chapter 13, Synthetics, Baroid Fluids Handbook, Revised August 1, 1997. | |
| | FG | P.A. Boyd, D. L. Whitfill, T.s. Carter, and J.P. Allamon, New Base Oil Used in Low-Toxicity Oil Muds, 14 J. Petroleum Technology, 1985, pages 937-942. | |
| | FH | Friedheim, J.E., 'Second-Generation Synthetic Drilling Fluids,' SPE Distinguished Author Series, Dec. 1981-Dec. 1983. | |
| | FI | Bob Byrd, Mario Zamora, "Fluids are Key in Drilling Highly Deviated Wells," Petroleum Engineer International, February 1988, pages 24-26. | |
| | FJ | David D. Wilson, "Something New in Environmental Horizontal Installation," WWJ, February 1996, pages 27-28 | |
| | FK | Daniel B. Oakley, "Environmental Horizontal Well Installation and Performance: Lessons Learned," Horizontal News, Dept. of Energy Office of Technology Development, Volulme 1, No. 2, Fall 1995, pages 7 and 9. | |
| | FL | "BIO-BORE" (TM) Horizontal Directional Drilling Fluid Concentrate, Product Data Sheet, Baroid Industrial Drilling Products (1995). | |

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| Examiner Signature | | Date Considered | |
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| | | | Filing Date | 01/21/04 | |
| | | | First Named Inventor | Jeff Kirsner | |
| | | | Art Unit | 1712 | |
| | | | Examiner Name | To be Assigned | |
| Sheet | 9 | of | 9 | Attorney Docket Number | HALB:020D1 |

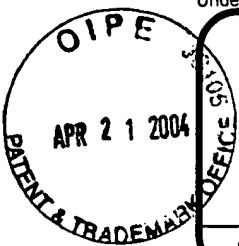
| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | |
|--|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | FM | David Ppower, Jim Friedheim and Bret Toups, M-I L.L.C., "Flat Rheology SBM Shows Promise in Deepwater," Drilling Contractor, May/June 2003, pages 44-45. | |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 10/761,552 |
| | | | | Filing Date | 01/21/04 |
| | | | | First Named Inventor | Jeff Kirsner |
| | | | | Art Unit | 1712 |
| | | | | Examiner Name | To be Assigned |
| Sheet | 1 | of | 9 | Attorney Docket Number | HALB:020D1 |

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| | | | | First Named Inventor | Jeff Kirsner |
| | | | | Art Unit | 1712 |
| | | | | Examiner Name | To be Assigned |
| Sheet | 2 | of | 9 | Attorney Docket Number | HALB:020D1 |

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| First Named Inventor | | Jeff Kirsner | | | | |
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